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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/602,637	06/25/2003	Takaaki Kutsuna	396.42795X00	1073
20457 7590 12/14/2007 ANTONELLI, TERRY, STOUT & KRAUS, LLP 1300 NORTH SEVENTEENTH STREET SUITE 1800 ARLINGTON, VA 22209-3873			EXAMINER PATTERSON, MARC A	
			ART UNIT 1794	PAPER NUMBER
			MAIL DATE 12/14/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Advisory Action</b> <b>Before the Filing of an Appeal Brief</b>	<b>Application No.</b> 10/602,637	<b>Applicant(s)</b> KUTSUNA ET AL.	
	<b>Examiner</b> Marc A. Patterson	<b>Art Unit</b> 1794	

**--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

THE REPLY FILED 10 August 2007 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. ☒ The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:
- a) ☒ The period for reply expires 3 months from the mailing date of the final rejection.
- b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.
- Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) ~~the date~~ in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### NOTICE OF APPEAL

2. ☐ The Notice of Appeal was filed on \_\_\_\_\_. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

#### AMENDMENTS

3. ☐ The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because
- (a) ☐ They raise new issues that would require further consideration and/or search (see NOTE below);
- (b) ☐ They raise the issue of new matter (see NOTE below);
- (c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
- (d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: \_\_\_\_\_. (See 37 CFR 1.116 and 41.33(a)).

4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL -324).
5. ☐ Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.
6. ☐ Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
7. ☒ For purposes of appeal, the proposed amendment(s): a) ☐ will not be entered, or b) ☒ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.
- The status of the claim(s) is (or will be) as follows:
- Claim(s) allowed: none.
- Claim(s) objected to: none.
- Claim(s) rejected: 1, 2, 6 and 8-22.
- Claim(s) withdrawn from consideration: none.

#### AFFIDAVIT OR OTHER EVIDENCE

8. ☐ The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).
9. ☐ The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).
10. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

#### REQUEST FOR RECONSIDERATION/OTHER

11. ☐ The request for reconsideration has been considered but does NOT place the application in condition for allowance because: \_\_\_\_\_.
12. ☐ Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s). \_\_\_\_\_
13. ☒ Other: See attached.

### ADVISORY ACTION

*Applicant's arguments filed November 13, 2007 have been fully considered but have not been found to be persuasive.*

1. Applicant argues, on page 6 of the remarks dated November 13, 2007, that Gerdes et al requires an amine – based curing agent, rather than the claimed curing agent.

However, as stated on page 2 of the previous Action, the claimed curing agent is taught by Tashiro et al; furthermore, Tashiro et al teaches that the curing agent is an amine based curing agent, because the curing agent has an amine number (column 3, line 52).

Applicant also argues on page 6 that Gerdes et al does not disclose the claimed skeletal structure.

However, as stated on page 4 of the previous Action, the combination of Gerdes et al, Tashiro et al and Huang et al discloses the skeletal structure, as the claimed epoxy and curing agent are disclosed.

Applicant also argues on page 6 that the claimed aspect of being able to form an amide by reacting with polyamine to form an oligomer is directed to a structural limitation rather than a process limitation.

However, it is unclear what specific structure is referred to.

Applicant also argues, on page 7, that the example of Gerdes et al comprises the claimed structure in an amount less than 30%.

However, the Gerdes et al does not disclose that the disclosed invention is limited to the examples.

Applicant also argues, on page 10, that although Gerdes et al disclose fuel imperviousness, Tashiro et al and Huang et al disclose fuel permeability and barrier properties; one of ordinary skill in the art, Applicant argues, would not have looked to Tashiro et al and Huang et al

However, it is unclear where Tashiro et al and Huang et al disclose permeability; furthermore, Gerdes et al does not exclude resins have permeability, and the coating of Gerdes et al does not consist only of epoxy and curing agent.

Applicant also argues, on page 12, that Tashiro et al fails to disclose the claimed glycidylamine, describing glycidyl ethers derived from bisphenol A, for example.

However, as neither glycidyl ether, or bisphenol A, is claimed, it is unclear how glycidyl ether or bisphenol A defines the claimed invention.

Applicant also argues, on page 13, that Tashiro et al and Huang et al are silent as to fuel barrier properties.

However, as stated on page 2 of the previous Action, Gerdes et al disclose fuel barrier properties, and it would have been obvious for one of ordinary skill in the art to have provided for the epoxy and curing agent of Tashiro et al and Huang et al in Gerdes et al.

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marc A Patterson whose telephone number is 571-272-1497. The examiner can normally be reached on Mon - Fri 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rena Dye can be reached on 571-272-1498. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*Marc A. Patterson 12/11/07*  
Marc A. Patterson, PhD.  
Primary Examiner  
Art Unit 1772